

d his

(FILE 'HOME' ENTERED AT 18:03:10 ON 22 JUN 2004)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT
18:03:43 ON 22 JUN 2004

L1 9 S (UNCHARACTERIZED ANTIBO?)
L2 6 DUPLICATE REMOVE L1 (3 DUPLICATES REMOVED)
L3 416 S (ANTIBO? SCREEN)
L4 0 S L3 AND ARRAY?
L5 0 S L3 AND LYSATE?
L6 214 S L3 AND CELL?
L7 10 S L6 AND CHARACTERIZED
L8 4 DUPLICATE REMOVE L7 (6 DUPLICATES REMOVED)
L9 11 S L3 AND CHARACTERIZED
L10 7 S L9 NOT L8
L11 3 DUPLICATE REMOVE L10 (4 DUPLICATES REMOVED)
L12 0 S UNCHARACTERIZED AND ANTIBOD?
L13 1473 S UNCHARACTERIZED AND ANTIBOD?
L14 58 S L13 AND LYSATE?
L15 48 S L14 AND PROTEIN?
L16 26 S L14 AND EXPRESSION?
L17 20 S L15 AND L16
L18 8 DUPLICATE REMOVE L17 (12 DUPLICATES REMOVED)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT
18:40:16 ON 22 JUN 2004

L19 416 S (ANTIBOD? SCREEN)
L20 2 S L19 AND (PROTEIN EXPRESSION)
L21 2567 S ARRAY AND (PROTEIN EXPRESSION)
L22 25 S L21 AND (CELL LYSATE)
L23 11 S L22 AND ANTIBOD?
L24 5 DUPLICATE REMOVE L23 (6 DUPLICATES REMOVED)

=>

ANSWER 13 OF 23 MEDLINE on STN

AN 90382644 MEDLINE
DN PubMed ID: 2401390
TI Automatic purification of monoclonal antibodies.
AU van der Voort K
CS Dalton B.V., Waalwijk, the Netherlands.
SO Developments in biological standardization, (1990) 71 87-90.
Journal code: 0427140. ISSN: 0301-5149.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199010
ED Entered STN: 19901122
Last Updated on STN: 19901122
Entered Medline: 19901019
AB Purification has become the rate limiting step in the development and production of protein-based products, especially for monoclonal antibodies. An example of a fully integrated low/medium pressure chromatograph is presented. The MabLab is driven by expert software and it characterizes an **unknown antibody** in about five hours, and when large amounts of antibody containing fluid are available, it runs production cycles. The purification of the antibody proceeds unattended and with an increased speed, by using the data of the characterization run, and a step elution pattern.
CT Animals
*Antibodies, Monoclonal: IP, isolation & purification
Autoanalysis
Cell Line
Chromatography, Ion Exchange
Mice
Software
CN 0 (Antibodies, Monoclonal)

ANSWER 8 OF 23 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1994:91544 BIOSIS

DN PREV199497104544

TI Effect of O-sialoglycoprotease treatment on Ag recognition by the B
cell panel of **unknown antibodies**.

AU Saunders, Kim B. [Reprint author]; Engel, Pablo; Mellors, Alan; Tedder,
Thomas F. [Reprint author]

CS Dana-Farber Cancer Inst., Harvard Med. Sch., Boston, MA, USA

SO Tissue Antigens, (1993) Vol. 42, No. 4, pp. 324.
Meeting Info.: 5th International Conference on Human Leukocyte
Differentiation Antigens. Boston, Massachusetts, USA. November 3-7, 1993.
CODEN: TSANA2. ISSN: 0001-2815.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)

LA English

ED Entered STN: 5 Mar 1994
Last Updated on STN: 5 Mar 1994

CC General biology - Symposia, transactions and proceedings 00520
Cytology - Human 02508
Biochemistry studies - Proteins, peptides and amino acids 10064
Biochemistry studies - Carbohydrates 10068
Biophysics - Molecular properties and macromolecules 10506
Biophysics - Membrane phenomena 10508
Enzymes - Physiological studies 10808
Blood - Blood cell studies 15004
Blood - Lymphatic tissue and reticuloendothelial system 15008
Physiology and biochemistry of bacteria 31000
Immunology - General and methods 34502

IT Major Concepts
Blood and Lymphatics (Transport and Circulation); Enzymology
(Biochemistry and Molecular Biophysics); Immune System (Chemical
Coordination and Homeostasis); Physiology

IT Miscellaneous Descriptors
ANTIGEN; **CELL** SURFACE GLYCOPROTEIN CHARACTERIZATION; MEETING
ABSTRACT; MEETING POSTER

ORGN Classifier
Hominidae 86215
Super Taxa
Primates; Mammalia; Vertebrata; Chordata; Animalia
Organism Name
NAMALWA: **cell** line
RAJI: **cell** line
RAMOS: **cell** line
Taxa Notes
Animals, Chordates, Humans, Mammals, Primates, Vertebrates

ORGN Classifier
Pasteurellaceae 06703
Super Taxa
Facultatively Anaerobic Gram-Negative Rods; Eubacteria; Bacteria;
Microorganisms
Organism Name
Pasteurella haemolytica
Taxa Notes
Bacteria, Eubacteria, Microorganisms

d his

(FILE 'HOME' ENTERED AT 18:03:10 ON 22 JUN 2004)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT 18:03:43 ON 22 JUN 2004

L1 9 S (UNCHARACTERIZED ANTIBO?)
L2 6 DUPLICATE REMOVE L1 (3 DUPLICATES REMOVED)
L3 416 S (ANTIBO? SCREEN)
L4 0 S L3 AND ARRAY?
L5 0 S L3 AND LYSATE?
L6 214 S L3 AND CELL?
L7 10 S L6 AND CHARACTERIZED
L8 4 DUPLICATE REMOVE L7 (6 DUPLICATES REMOVED)
L9 11 S L3 AND CHARACTERIZED
L10 7 S L9 NOT L8
L11 3 DUPLICATE REMOVE L10 (4 DUPLICATES REMOVED)
L12 0 S UNCHARACTERIZED AND ANTIBOD?
L13 1473 S UNCHARACTERIZED AND ANTIBOD?
L14 58 S L13 AND LYSATE?
L15 48 S L14 AND PROTEIN?
L16 26 S L14 AND EXPRESSION?
L17 20 S L15 AND L16
L18 8 DUPLICATE REMOVE L17 (12 DUPLICATES REMOVED)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT 18:40:16 ON 22 JUN 2004

L19 416 S (ANTIBOD? SCREEN)
L20 2 S L19 AND (PROTEIN EXPRESSION)
L21 2567 S ARRAY AND (PROTEIN EXPRESSION)
L22 25 S L21 AND (CELL LYSATE)
L23 11 S L22 AND ANTIBOD?
L24 5 DUPLICATE REMOVE L23 (6 DUPLICATES REMOVED)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT 18:53:52 ON 22 JUN 2004

L25 416 S (ANTIBO? SCREEN)
L26 214 S L25 AND CELL?
L27 0 S L26 AND LYSATE?
L28 17 S L26 AND PROTEIN?
L29 8 DUPLICATE REMOVE L28 (9 DUPLICATES REMOVED)
L30 85 S (UNKNOWN ANTIBOD?)
L31 14 S L30 AND PROTEIN?
L32 3 S L31 AND EXPRESSION?
L33 0 S L30 AND LYSATE?
L34 300 S K30 AND CELL
L35 42 S L30 AND CELL?
L36 3 DUPLICATE REMOVE L32 (0 DUPLICATES REMOVED)
L37 23 DUPLICATE REMOVE L35 (19 DUPLICATES REMOVED)

=>

on STN
 AN 93011431 EMBASE
 DN 1993011431
 TI Differential epitope **expression** of Ly-48 (mouse leukosialin).
 AU Baecher-Allan C.M.; Kemp J.D.; Dorfman K.S.; Barth R.K.; Frelinger J.G.
 CS Cancer Center, Immunology Division, University Rochester Medical
 Center, Rochester, NY 14642, United States
 SO Immunogenetics, (1993) 37/3 (183-192).
 ISSN: 0093-7711 CODEN: IMNGBK
 CY Germany
 DT Journal; Article
 FS 022 Human Genetics
 025 Hematology
 029 Clinical Biochemistry
 LA English
 SL English
 AB Ly-48 is a major sialoglycoprotein expressed on the surface of a variety of mouse hematopoietic cells that exhibits many characteristic isoforms and may function in signal transduction and cell adhesion. Ly-48 is recognized by the 3E8-specific monoclonal **antibody** (mAb) and it has been suggested that it is the same antigen recognized by another mAb known as S7. In this report, we demonstrate definitively by transfection of a Ly-48 cDNA that S7 and two previously **uncharacterized** mAbs, S11 and S15, recognize the same antigen as the 3E8-specific mAb. However, 2-D gel immunoblot analyses demonstrate the complex nature of Ly- 48. Although all four mAbs react similarly with **lysates** from the M-45 B-cell myeloma line, 2-D immunoblot analyses of the EL-4- T-cell line reveal three distinct patterns of reactivity. Further, while transfection of Ly-48 into the K562 erythroleukemic cell line conferred reactivity to all four mAbs, transfection of the Ly-48 cDNA into the nonhematopoietic cell line, Line I, conferred reactivity only to the S11 and S15 mAbs. Thus, the Line I transfectants suggest the importance of posttranslational modifications in the **expression** of the 3E8 and S7 epitopes. Interestingly, developing fetal liver cells show the same pattern of differential Ly-48-specific mAb reactivity. The developing early fetal liver cells are reactive with S11 and S15 but are negative, to very weakly, reactive with the 3E8-and S7-specific mAbs. These results show that Ly-48 epitopes can be expressed independently on cell lines in vitro and are differentially expressed on healthy cells in vivo.
 CT Medical Descriptors:
 ***gene expression**
 animal cell
 antigen recognition
 article
 b lymphocyte
 cell line
 cell lysate
 cell specificity
 cell strain k 562
 fetus liver
 genetic transfection
 human
 human cell
 immunoblotting
 in vitro study
 liver cell
 lymphoid cell line
 mouse
 nonhuman
 priority journal
 protein processing

rat
tissue distribution
two dimensional electrophoresis
Drug Descriptors:
*leukosialin: EC, endogenous compound
complementary dna
epitope: EC, endogenous compound

monoclonal antibody
RN (leukosialin) 123897-54-1



NPL Virtual Library

My List - 0 Help

Search

[Main Search](#) | [Advanced Keyword Search](#) | [Search History](#)Search: [Refine Search](#)

You're searching: Scientific and Technical Information Center

Item Information

- Subscriptions
- Holdings

Browse Catalog

by title:

- Immunogenetics....

Immunogenetics.

Imprint: New York, Springer-Verlag. 1974-

URL: <http://link.springer-ny.com/link/service/journals/00251/tocs.htm> Click here to see page images via Springer Link (1996 -)

Notes: Available on ADONIS, v. 43, no. 1-2 (1996) - 54, no. 9 (2002)

ISSN: 0093-7711

Subjects: Immunogenetics -- Periodicals.

Description: v. : ill.; 24 cm.

Subscription Summary

MARC Display

US Patent & Trademark Office

Location: US Patent & Trademark Office

Collection: Biotechnology and Chemical Library

Call No.: QR184 .I5

Copy No.: 1

Status: Currently Received

Media Type: SERIAL

Main run: Vol. 40, No. 3 - Vol. 50, No. 1/2 (Jul 1994 - 1999)

Vol. 51, No. 1 - No. 12 (Jan 2000 - Oct 2000)

Vol. 52, No. 1-2 - (Nov 2000)

Vol. 52, No. 3-4 - (2001)

Vol. 53, No. 1 - No. 3 (Feb 2001 - Apr 2001)

Vol. 53, No. 4 - (May/Jun 2001)

Vol. 53, No. 5 - No. 8 (Jul 2001 - Oct 2001)

Vol. 53, No. 9 - (Dec 2001)

Vol. 53, No. 10-11 - Vol. 55, No. 12 (Feb 2002 - Mar 2004)

Vol. 56, No. 1 - (Apr 2004)

[Show all items](#)

US Patent & Trademark Office

Location: US Patent & Trademark Office
Collection: Biotechnology and Chemical Library Microfilm
Call No.: QR184 .I5 Microfilm
Copy No.: 1
Status: Not Currently Received
Media Type: film
Microfilm: v. 17-18 (1983 - 1983)
v. 19 - v. 39-40 (1984 - 1994)

Show all items

Email: katherine.arendt@uspto.gov to ask questions or make suggestions.

iPac 2.03.01

Brought to you by *Scientific and Technical Information Center*